

Serial No.: 10/505,361
Attorney Docket No.: 2G02.1-084 US

CLAIM AMENDMENTS

Please amend the claims as follows (~~strikethrough~~ indicating deletion, and underline indicating insertion):

1. (previously amended) A blood analyzer comprising a device body with a blood sampling device which has a pricking element, with a testing means for accommodating a minimal quantity of blood, having an analyzer device which comprises an electronic analyzer and having a display device, together forming a complete system that can be handled as a single device, whereby the device body has a pricking position which is assigned to the working position of the pricking element for coming in contact with a skin surface of a user and a charging position designed at another location on the body of the device for charging a minimal quantity of blood coming from the previously pricked skin surface onto a testing means, whereby a plurality of testing means and pricking elements can be inserted into the device and can be brought one after the other into a working position for performing multiple measurements, whereby when a pricking element is positioned in its working position, the pricking element can be inserted into the skin surface of a user which is brought into the pricking position and blood coming from the skin surface can be charged to a testing means by being brought in contact with the skin surface in the charging position, said testing means being in a working position of the testing means, characterized in that the testing means and the pricking elements are arranged on a carrier which is rotatable with respect to the body of the device and can be inserted together with it into the device, and by rotating the carrier the testing means and the pricking elements can be brought into different working positions with respect to the body of the device.

Serial No.: 10/505,361
Attorney Docket No.: 2G02.1-084 US

2. (currently amended) A blood analyzer according to Claim 1, ~~characterized in that~~ wherein the pricking elements and the testing means are arranged on the same carrier, which can be handled manually.
3. (currently amended) A blood analyzer according to Claim 1, ~~characterized in that~~ wherein the carrier comprises a first carrier part for the testing means and a second carrier part for the pricking elements.
4. (currently amended) A blood analyzer according to Claim 3, ~~characterized in that~~ wherein the two carrier parts can be assembled to form a manually operable unit.
5. (currently amended) A blood analyzer according to Claim 3, ~~characterized in that~~ wherein the carrier parts can be linked together in a rotationally fixed manner.
6. (currently amended) A blood analyzer according to Claim 1, ~~characterized in that~~ wherein the carrier has a central recess within which a drive device for the blood sampling device is provided.
7. (currently amended) A blood analyzer according to Claim 1, ~~characterized in that~~ wherein the carrier is designed in the form of a ring and is rotatable about the center of the ring.
8. (currently amended) A blood analyzer according to Claim 1, ~~characterized in that~~ wherein a drive device for the carrier includes internal gearing.
9. (currently amended) A blood analyzer according to Claim 1, ~~characterized in that~~ wherein the pricking elements are arranged on the carrier in such a way that when they are in the working position, they execute a pricking movement in the radial direction with respect to the rotatability of the carrier.

Serial No.: 10/505,361

Attorney Docket No.: 2G02.1-084 US

10. (currently amended) A blood analyzer according to Claim 1, ~~characterized in that~~ wherein the pricking elements are arranged on the carrier in such a way that when they are in the working position, they execute a pricking movement in the axial direction with respect to the rotatability of the carrier.
11. (currently amended) A blood analyzer according to Claim ~~1~~ 49, ~~characterized in that~~ wherein the pricking elements are surrounded by a sterility barrier on the carrier before execution of ~~at~~ the pricking operation.
12. (currently amended) A blood analyzer according to Claim ~~1~~ 49, ~~characterized in that~~ wherein before execution of a pricking operation, a particular pricking element is arranged in a sleeve means, forming a cylindrical space, and is held by a plunger means which is movable in the sleeve means.
13. (currently amended) A blood analyzer according to Claim 12, ~~characterized in that~~ wherein the pricking element forms an injection part of the plunger means designed as a plastic syringe part.
14. (currently amended) A blood analyzer according to Claim 12, ~~characterized in that~~ wherein a sterility barrier is formed by the sleeve means that is closed on all sides and by the plunger means.
15. (currently amended) A blood analyzer according to Claim 12, ~~characterized in that~~ wherein the sleeve means is covered by a film on its end facing away from the plunger means.
16. (currently amended) A blood analyzer according to Claim 12, ~~characterized in that~~ wherein the plunger means has a sealing means with respect to a wall of the cylinder space.

Serial No.: 10/505,361
Attorney Docket No.: 2G02.1-084 US

17. (currently amended) A blood analyzer according to one of Claim 12, ~~characterized in that~~ wherein multiple sleeve means are joined together in the form of a strip and the ends of the strips are joined together to form a circular shape.
18. (currently amended) A blood analyzer according to Claim ~~4~~ 49, ~~characterized by~~ wherein the carrier defines multiple recesses ~~in the carrier~~ in each of which is arranged ~~a~~ one of the pricking ~~element~~elements.
19. (currently amended) A blood analyzer according to Claim 18, ~~characterized in that~~ wherein a wall which borders at least one of the ~~recess~~recesses is designed to be deformable so that it can be deflected by a driving device of the blood sampling device to execute the pricking~~-procedure~~ operation.
20. (currently amended) A blood analyzer according to Claim ~~18~~ 19, ~~characterized in that~~ wherein the ~~a~~ wall which borders the ~~recess~~ has weakened zones to facilitate the deformability.
21. (currently amended) A blood analyzer according to Claim 18, ~~characterized in that~~ wherein each of the ~~recess~~is-recesses are designed like a trough or like a half shell.
22. (currently amended) A blood analyzer according to Claim 18, ~~characterized in that~~ further comprising a ~~the~~sterility barrier ~~is~~ formed by a film-like covering means which covers the ~~recess~~recesses.
23. (currently amended) A blood analyzer according to Claim ~~4~~ 49, ~~characterized in that~~ wherein the pricking elements each carry a safety cap means on ~~their~~a free end thereof before executing ~~at~~the pricking operation.
24. (currently amended) A blood analyzer according to Claim 23, ~~characterized in that~~ wherein the safety cap means is releasable from the pricking element immediately before execution of the pricking operation.

Serial No.: 10/505,361
Attorney Docket No.: 2G02.1-084 US

25. (currently amended) A blood analyzer according to Claim 24, ~~characterized in that~~ wherein the respective safety cap means can be removed from the path of movement of the pricking element and brought into a receptacle space after being released from the respective pricking element.
26. (currently amended) A blood analyzer according to Claim 1, ~~characterized in that~~ wherein the test means are arranged on the carrier in such a way that they are axially oriented with respect to the rotatability of the carrier.
27. (currently amended) A blood analyzer according to Claim 1, ~~characterized in that~~ wherein the carrier has a carrier part for the test means, the carrier part in particular being in the form of a ring disk, the plane of the carrier part being oriented perpendicular to the axis of rotation of the carrier.
28. (currently amended) A blood analyzer according to Claim 1, ~~characterized in that~~ wherein the test means are provided in recesses of the carrier part, in particular in the form of a ring disk.
29. (currently amended) A blood analyzer according to Claim 49, ~~characterized in that~~ wherein a ~~the~~ charging position for the blood ~~can be~~ is covered by a movable cover part when it is not needed.
30. (currently amended) A blood analyzer according to Claim 29, ~~characterized in that~~ wherein a drive device for the pricking element can be activated by moving the covering part in the direction of releasing the charging position.
31. (currently amended) A blood analyzer according to Claim 30, ~~characterized in that~~ wherein the drive device for the pricking element can be activated by clamping a spring means.

Serial No.: 10/505,361
Attorney Docket No.: 2G02.1-084 US

32. (currently amended) A blood analyzer according to Claim 30, ~~characterized in that~~ wherein a manually movable control element is provided and is connected to the drive device for the pricking element and to the ~~rotatable~~-movable carrier, so that when there is a movement of the control element, the drive device for the pricking element is activated and there is a ~~rotational~~-movement of the carrier.
33. (currently amended) A blood analyzer according to Claim 32, ~~characterized in that~~ wherein during a first phase of the movement in a first actuating direction, the control element can be brought into a drive connection with the carrier, and during a second phase of the movement, it can be brought out of the drive connection by moving it in the direction opposite the actuator direction.
34. (currently amended) A blood analyzer according to Claim ~~22~~ 32, ~~characterized in that~~ wherein a gear drive is provided for coupling the control element to the carrier.
35. (currently amended) A blood analyzer according to Claim ~~32~~ 30, ~~characterized in that~~ wherein the drive mechanism for the pricking element comprises a bending spring, and the control element acts on a receptacle for the bending spring and pivots this receptacle into the plane of bending of the bending spring.
36. (currently amended) A blood analyzer according to Claim 35, ~~characterized in that~~ wherein the bending spring can be clamped into a stable clamped position across a dead point.
37. (currently amended) A blood analyzer according to Claim 32, ~~characterized in that~~ wherein the manually movable control element is formed by the covering part.
38. (currently amended) A blood analyzer according to Claim ~~4~~ 49, ~~characterized in that~~ further comprising a triggering device for actuating the drive device for the pricking element that can be operated by contact of the skin surface with the pricking position.

Serial No.: 10/505,361

Attorney Docket No.: 2G02.1-084 US

39. (currently amended) A blood analyzer according to Claim 38, ~~characterized in that~~ wherein the triggering device is formed by a key provided in the pricking position.
40. (currently amended) A blood analyzer according to Claim 38, ~~characterized in that~~ wherein the deployment device is provided in the pricking position and has a recess for the passage of the pricking element for execution of the pricking operation.
41. (currently amended) A blood analyzer according to Claim ~~4~~ 49, ~~characterized in that~~ further comprising a retraction mechanism ~~is provided by~~ means of which a particular pricking element can be retracted directly following the pricking operation.
42. (currently amended) A blood analyzer according to Claim 41, ~~characterized in that~~ wherein a spring means is provided for retracting a particular pricking element from the skin surface of the user.
43. (currently amended) A blood analyzer according to Claim ~~4~~ 41, ~~characterized in that~~ wherein the particular pricking elements pass through a particular spring means.

Serial No.: 10/505,361
Attorney Docket No.: 2G02.1-084 US

44. (currently amended) A blood analyzer according to Claim 49, ~~characterized by a safety device which allows~~ wherein as a safety feature the blood analyzer is adapted to allow deployment of the pricking operation only when the device body is being handled properly.
45. (currently amended) A blood analyzer according to Claim 44, ~~characterized in that~~ wherein the number of test means that can be handled as one unit amounts to 5 to 15.
46. (currently amended) A blood analyzer according to Claim 44, ~~characterized in that~~ wherein the device body has an outside contour that is essentially in the form of a circular disk.
47. (currently amended) A blood analyzer according to Claim 44, ~~characterized in that~~ wherein the blood analyzer comprises a time display device.
48. (currently amended) A blood analyzer according to Claim 44, ~~characterized in that~~ wherein the ~~housing~~ device body can be worn on the wrist of a user by means of a strip that can be attached to it.

Serial No.: 10/505,361
Attorney Docket No.: 2G02.1-084 US

49. (new) A blood analyzer comprising a device body having a blood sampling device, an analyzer device, and a display device together forming a complete system that can be handled as a single unit, wherein the blood sampling device includes a plurality of pricking elements and the analyzer device includes a plurality of testing means each for accommodating a sample of blood and includes an electronic analyzer for the blood, wherein the plurality of testing means and the plurality of pricking elements are arranged on a carrier that is movable with respect to the device body and that can be inserted into the device so that the testing means and the pricking elements can be brought one after another into a working position for performing multiple measurements, wherein when one of the pricking elements is positioned in the working position, the pricking element can be inserted into the skin surface of a user in a pricking operation and the blood coming from the skin surface can be charged to one of the testing means for analyzing by the electronic analyzer and outputting analysis results to the display device.
50. (new) A cartridge for use with a blood analyzer device having a body, the cartridge comprising:
- a carrier that is movable with respect to the device body;
 - a plurality of pricking elements arranged on the carrier, each of the pricking elements for puncturing skin to produce a sample of blood; and
 - a plurality of testing elements arranged on the carrier, each of the testing elements for accommodating one of the samples of blood,
- wherein the cartridge is receivable within the device body with the carrier movable with respect to the device body so that the pricking elements and the testing elements can be brought one after another into a working position for obtaining the blood sample and testing the blood sample.